L Number	Hits	Search Text	DB	Time stamp
1	44647	dma or (direct adj memory adj access\$3) or dmac	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:02
2	227135	valid\$5	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:02
3	73510	invalid\$5	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/09/01 13:02
4	1639	<pre>(page or segment) same ((miss\$3 or mis-hit) same (fill\$3 or load\$3 or refill\$3))</pre>	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:27
5	2181	(page or segment) adj fault\$3	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:46
6	8	(dma or (direct adj memory adj access\$3) or dmac) same ((page or segment) same ((miss\$3 or mis-hit) same (fill\$3 or load\$3 or refill\$3))) same valid\$5	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:07
7	10	(dma or (direct adj memory adj access\$3) or dmac) same ((page or segment) adj fault\$3) same valid\$5	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:24
8	4274	<pre>(page or segment) near5 (miss\$3 or mis-hit)</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:50
9	41	<pre>invalid\$5 near10 ((page or segment) near5 (miss\$3 or mis-hit))</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:28
10	108	invalid\$5 near10 ((page or segment) adj fault\$3)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:25
11	0	(dma or (direct adj memory adj access\$3) or dmac) same (invalid\$5 near10 ((page or segment) near5 (miss\$3 or mis-hit)))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:25
12	0	(dma or (direct adj memory adj access\$3) or dmac) same (invalid\$5 near10 ((page or segment) adj fault\$3))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:26
13	1210	(dma or (direct adj memory adj access\$3) or dmac) with page	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/09/01 13:26
14	40950	(page or segment) near10 (fill\$3 or load\$3 or refill\$3)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/09/01 13:27

Search History 9/1/04 2:19:05 PM

15					
direct adj memory adj access33) or dmac	15	233	((page or segment) near10 (fill\$3 or	· ·	
16					13:27
16 0 (((page or segment) near10 (fill\$3 or load\$3 or refill\$3) same (dma or (direct adj memory adj access\$3) or dmac segment) near5 (miss\$10 (mase) SEPO, JPO, JPO, JPO, JPO, JPO, JPO, JPO, J			(direct adj memory adj access\$3) or dmac		
16					
10ad33 or refill(33) Same (dma or (direct ad) memory ad) access(33) or dmac 13:28 13:29 13:2	16	0	(((page or segment) near10 (fill\$3 or		2004/09/01
17 2 2 3 3 3 3 3 3 3 3		1	load\$3 or refill\$3)) same (dma or	•	
18				EPO; JPO;	
2	1			[
10ad33 or refil153) same (dma or (direct adj memory) adj access\$3) or dmac 0 0 0 0 0 0 0 0 0	17			_	
(direct adj memory adj access\$3) or dmac PO; JPO; brown Jand (invalid\$5 near10 ((page or segment)) and (invalid\$5 near5) (page or segment) Jand (invalid\$5 near5) (page or segment) Jand (invalid\$5 near5) (page or segment) Jand (invalid\$5 near5) Jand (jand) Jand (ja	1 '		(((page or segment) nearly (fills) or	•	
18	İ		(direct add memory add access(3) or dmac		13:28
18					
or dmac) and (invalid\$5 near10 ((page or segment) near5 (miss\$3 or mis-hit))) 19					
Segment near5 (miss\$3 or mis-hit) DERWENT; DERW	18	6	(dma or (direct adj memory adj access\$3)	USPAT;	2004/09/01
19 37 (dma or (direct adj memory adj access\$3) USPAT; USP-GPUB; EPO; JPO; DERWENT; IBM TDB USPAT; USP-			or dmac) and (invalid\$5 near10 ((page or		13:29
19 37 (dma or (direct adj memory adj access\$3) or dmac) and (invalid\$5 near10 ((page or segment) adj fault\$3)) 13:36			segment) near5 (miss\$3 or mis-hit)))	1	
19 37 (dma or (direct adj memory adj access\$3) USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; DERWENT; EPO; JPO; JPO; DERWENT; EPO; JPO; JPO; DERWENT; EPO; JPO; JPO; DERWENT; EPO; JPO; JPO; JPO; JPO; DERWENT; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J				1	
Or dmac and (invalid\$5 near10 ((page or segment) 13:36	19	37	(dma or (direct adi memory adi access\$3)	· —	2004/09/01
Segment) adj fault\$3) Segment					
20	İ				13.30
20					1
21 325 invalid\$5 with (dma or (direct adj memory adj access\$3) or dmac) 325 invalid\$5 with (dma or (direct adj memory adj access\$3) or dmac) 326 3					1
21 325 invalid\$5 with (dma or (direct adj memory adj access\$3) or dmac) USPAT; US-PGPUB; BPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; BPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	20	6061	no\$1 adj valid\$5		
21 325 invalid\$5 with (dma or (direct adj memory adj access\$3) or dmac) SPAT;				1	13:36
21 325 invalid\$\$ with (dma or (direct adj memory adj access\$3) or dmac) IBM TDB USPBT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO;]
21 325 invalid\$5 with (dma or (direct adj memory adj access\$3) or dmac USPAT; 2004/09/01 13:36 22 48 (no\$1 adj valid\$5) with (dma or (direct adj memory adj access\$3) or dmac) USPAT; 2004/09/01 13:36 23 5364 invalid\$5 near5 (page or segment or block) Same (dma or (direct adj memory adj access\$3) or dmac) USPAT;	•				
22 48	21	325	invalid\$5 with (dma or (direct adj memory		2004/09/01
22				· ·	
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22					
adj memory adj access\$3) or dmac) 23	22	10	(not1 ndi :::1id65) -:ith (du /1)	_	
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23 5364 invalid\$5 near5 (page or segment or block) 13:45 2004/09/01 13:45 2004/09/01 13:45 2004/09/01 13:45 2004/09/01 2004/			adj memory adj accessos) of dmac)		13:36
23					
block block US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB;			4		
24 102 (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac) (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) (invalid\$5 near5 (page or segment or block)) (invalid\$5 near5 (page or segment or block)) (invalid\$5 near5 (page or segment or block) (invalid\$5 near5 (page or se	23	5364		USPAT;	2004/09/01
24 102 (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac) USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; DERWENT;			block)		13:45
24 102 (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac) 25 26 26 44 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) 26 44 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) 27 368 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) 28 4 (dma or (direct adj memory adj access\$3) or dmac)) 4 (dma or (direct adj memory adj access\$3) or dmac)) 28 6 (dma or (direct adj memory adj access\$3) or dmac)) 29 7 2004/09/01 2004/09/01					
102					
block) same (dma or (direct adj memory adj access\$3) or dmac	24	102	(invalid\$5 near5 (page or segment or		2004/09/01
adj access\$3) or dmac) EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; adj access\$3) or dmac)) ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) not (cache same ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) ((invalid\$5 near5 (page or segment or block)) ((invalid\$5 near			block)) same (dma or (direct adj memory		
25 58 cache same ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; adj access\$3) or dmac)) not (cache same ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) not (cache same ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;					
25 Sa Cache same ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;					
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adj memory adj access\$3) or dmac)) 44 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) not (cache same (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) 27 368 (dma or (direct adj memory adj access\$3) or block) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block))	43	58	cache same ((invalid\$5 near5 (page or		
26 44 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) not (cache same ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) 27 368 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3)) ((invalid\$5 near5 (page or segment or block)) 28 4 ((invalid\$5 near5 (page or segment or block)) DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB 13:45			adi memory adi accessil on dmac !!		13:3/
26 44 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) not (cache same (invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) (no\$1 adj valid\$5) near5 (page or segment or block) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (dma or (direct adj memory adj access\$3) or dmac)) (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) ENDETUBLE 2004/09/01 13:37 2004/09/01 13:45 2004/09/01 13:45 2004/09/01 13:46			and acception of aniac //		
44 ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac)) not (cache same ((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) 368 (no\$1 adj valid\$5) near5 (page or segment or block) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block))					
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((invalid\$5 near5 (page or segment or block)) same (dma or (direct adj memory adj access\$3) or dmac))) (no\$1 adj valid\$5) near5 (page or segment or block) 28 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; 13:46			block)) same (dma or (direct adj memory		13:37
block)) same (dma or (direct adj memory adj access\$3) or dmac))) (no\$1 adj valid\$5) near5 (page or segment or block) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) BM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; 13:46	İ		adj access\$3) or dmac)) not (cache same		
adj access\$3) or dmac))) (no\$1 adj valid\$5) near5 (page or segment or block) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 4 (dma or (segment or block)) 4 (dma or (segment or block)) 5 (page or segment or block)) 5 (page or segment or block))	Θ.	i	((invalidae) hears (page or segment or		
28 (no\$1 adj valid\$5) near5 (page or segment or block) 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) 28 (no\$1 adj valid\$5) near5 (page or segment uspaT; us-pgpuB; EPO; JPO; DERWENT; us-pgpuB; EPO; JPO; DERWENT;			adj access\$3) or dmac)))	TOM_INR	
or block) US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	27	368	(no\$1 adj valid\$5) near5 (page or segment	USPAT:	2004/09/01
28 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;					
28 4 (dma or (direct adj memory adj access\$3) or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;					
4 (dma or (direct adj memory adj access\$3) USPĀT; Or dmac) same ((no\$1 adj valid\$5) near5 (page or segment or block)) EPO; JPO; DERWENT;				DERWENT;	
or dmac) same ((no\$1 adj valid\$5) near5 US-PGPUB; page or segment or block)) US-PGPUB; EPO; JPO; DERWENT;	28	A .	/dma or /direct add masses add		
(page or segment or block)) EPO; JPO; DERWENT;	20	4	or dmac) same ((nos1 add relides) manuf		
DERWENT;			(page or segment or block))		13:46
			, , , , , , , , , , , , , , , , , , ,		

				1 2 2 2 4 7 2 2 7 2 2
29	22	((page or segment) adj fault\$3) with (dma or (direct adj memory adj access\$3) or dmac)	USPAT; US-PGPUB; EPO; JPO;	2004/09/01 13:47
		diac)	DERWENT;	
30	16	((page or segment) near5 (miss\$3 or	USPAT;	2004/09/01
		mis-hit)) with (dma or (direct adj memory	US-PGPUB;	13:52
		adj access\$3) or dmac)	EPO; JPO;	
			DERWENT;	
31	9016	inlides adi (bit an flor an indicator an	IBM_TDB	2004/09/01
31	9016	valid\$5 adj (bit or flag or indicator or semephore)	USPAT; US-PGPUB;	13:53
			EPO; JPO;	13.00
			DERWENT;	
	1050		IBM_TDB	
32	1952	"v-bit" or (v adj bit)	USPAT; US-PGPUB;	2004/09/01 13:54
			EPO; JPO;	13:34
			DERWENT;	
			IBM_TDB	3
33	114		USPAT;	2004/09/01
		((valid\$5 adj (bit or flag or indicator or semephore)) or ("v-bit" or (v adj	US-PGPUB; EPO; JPO;	13:55
	}	bit)))	DERWENT;	
			IBM TDB	
35	65		USPAT;	2004/09/01
	İ	<pre>mis-hit)) with ((valid\$5 adj (bit or flag or indicator or semephore)) or ("v-bit"</pre>	US-PGPUB;	13:55
	-	or (v adj bit)))	EPO; JPO; DERWENT;	
		32 (1 22) 223,7,7	IBM TDB	
34	29	' 'L J	USPAT;	2004/09/01
		((valid\$5 adj (bit or flag or indicator or semephore)) or ("v-bit" or (v adj	US-PGPUB;	13:57
		bit)))	EPO; JPO; DERWENT;	
			IBM TDB	
36	50	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/09/01
		or dmac) and ((((page or segment) near5 (miss\$3 or mis-hit)) with ((valid\$5 adj	US-PGPUB; EPO; JPO;	13:57
		(bit or flag or indicator or semephore))	DERWENT;	
		or ("v-bit" or (v adj bit)))) or (((page	IBM TDB	
		or segment) adj fault\$3) with ((valid\$5		
		adj (bit or flag or indicator or semephore)) or ("v-bit" or (v adj		
		bit)))))		
37	491		USPAT;	2004/09/01
		mis-hit)	US-PGPUB;	14:01
			EPO; JPO; DERWENT;	
			IBM TDB	
38	0	((USPAT;	2004/09/01
		or dmac) with (segment adj (fault\$3 or miss\$3 or mis-hit))	US-PGPUB;	14:01
		THE SPAN OF HITS-HIE!	EPO; JPO; DERWENT;	
			IBM TDB	
39	4	(times (million and momer) and accept of	USPAT;	2004/09/01
		or dmac) same (segment adj (fault\$3 or miss\$3 or mis-hit))	US-PGPUB;	14:02
		WESSAS OF WES-HIC!)	EPO; JPO; DERWENT;	
			IBM TDB	
40	40	(dma or (direct adj memory adj access\$3)	USPAT;	2004/09/01
		or dmac) and (segment adj (fault\$3 or miss\$3 or mis-hit))	US-PGPUB;	14:02
		WESSAS OF WES-HIC!	EPO; JPO; DERWENT;	
			IBM TDB	